

8/2/06

=> s e5-e9

'IN' IS NOT A VALID FIELD CODE

L1 92 ("HUNG WILLIAM M"/IN OR "HUNG WILLIAM M ALPHARETTA GA 30201
US"/IN OR "HUNG WILLIAM M ALPHARETTA GEORGIA 30201 US"/IN OR
"HUNG WILLIAM M ALPHARETTA GIORGIA 30201 US"/IN OR "HUNG WILLIAM
M W"/IN)

=> s l1 and chitosan

L2 9 L1 AND CHITOSAN

=> d ibib 1-9

L2 ANSWER 1 OF 9 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 2004:114674 EPFULL
ENTRY DATE PATENT: 20050615
ENTRY DATE PUBLICATION: 20050615
UPDATE DATE PUBLICAT.: 20050615
DATA UPDATE DATE: 20050615
DATA UPDATE WEEK: 200524
TITLE (ENGLISH): WATER-SOLUBLE CHITOSAN HAVING LOW ENDOTOXIN
CONCENTRATION AND METHODS FOR MAKING AND USING THE SAME
TITLE (FRENCH): CHITOSANE SOLUBLE DANS L'EAU A FAIBLE CONCENTRATION EN
ENDOTOXINE ET PROCEDES DE PRODUCTION ASSOCIES
INVENTOR(S): HUNG, William, M., 4062 Dover Avenue, Alpharetta,
GA 30004, US; BERGBAUER, Katrina, L., 225 Second
Avenue, Decatur, GA 30030, US; SU, Kai, C., 10390
Hopewell Road, Alpharetta, GA 30201, US; WANG, Guigui,
2420 Keenland Court, Cumming, GA 30040, US; WAGES,
Sherry, 904 E. Confederate Ave, S.E., Atlanta, GA
30316, US
PATENT APPLICANT(S): Adjuvant Pharmaceuticals, LLC, 1525 Bluegrass Lake
Parkway, Alpharetta, Georgia 30004, US
PATENT APPL. NUMBER: 4855010
DOCUMENT TYPE: Patent
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
LANGUAGE OF PROCEDURE: English
LANGUAGE OF TITLE: English; French
PATENT INFO TYPE: WOA2 International application published without search
report

PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2005034865	A2	20050421
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR		
EXTENSION STATES:	AL HR LT LV MK		
APPLICATION INFO.:	EP 2004-794302	A	20041005
	WO 2004-US32898	A	20041005
PRIORITY INFO.:	US 2003-681560	A	20031008

L2 ANSWER 2 OF 9 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 2001:146064 EPFULL
DATA UPDATE DATE: 20040616
DATA UPDATE WEEK: 200425
TITLE (ENGLISH): WATER SOLUBLE, RANDOMLY SUBSTITUTED PARTIAL N-, PARTIAL
O-ACETYLATED CHITOSAN, PRESERVING
COMPOSITIONS CONTAINING CHITOSAN, AND
PROCESSES FOR MAKING THEREOF
TITLE (FRENCH): CHITOSANE PARTIELLEMENT O-ACETYLE, PARTIELLEMENT
N-ACETYLE SUBSTITUE DE MANIERE ALEATOIRE SOLUBLE DANS

TITLE (GERMAN): L'EAU, DES PREPARATIONS DE CONSERVATION CONTENANT DES CHITOSANES ET DES PROCEDES DE FABRICATION DE CEUX-CI
 WASSERLOESSLISCHER, ZUFUEHLIG SUBSTITUIERTER, TEILIG N-
 UND TEILIG O-ACETYLIERTER CHITOSAN,
 CHITOSAN-ENTHALTENDE KONSERVIERENDE
 INVENTOR(S): ZUSAMMENSETZUNGEN, UND VERFAHREN ZUR HERSTELLUNG
 HUNG, William, M., 4062 Dover Avenue, Alpharetta,
 GA 30004, US; BERGBAUER, Katrina, L., 225 Second
 Avenue, Decatur, GA 30030, US; SU, Kai, C., 10390
 Hopewell Road, Alpharetta, GA 30201, US; WANG, Guigui,
 2420 Keenland Court, Cumming, GA 30040, US
 PATENT APPLICANT(S): Adjuvant Pharmaceuticals, LLC, 1525 Bluegrass Lake
 Parkway, Alpharetta, Georgia 30004, US
 PATENT APPL. NUMBER: 4855010
 AGENT: Leissler-Gerstl, Gabriele, et al, Eisenfuehr, Speiser &
 Partner, Patentanwalte, Arnulfstrasse 25, 80335
 Muenchen, DE
 AGENT NUMBER: 55115
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPA2 Application published without search report
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 1425310	A2	20040609
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WO 2002085951		20021031
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DESIGNATED STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT
 SE TR

EXTENSION STATES: AL LT LV MK RO SI

APPLICATION INFO.: EP 2001-991495 A 20011019

WO 2001-US49827	A	20011019
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PRIORITY INFO.: US 2001-838528 A 20010419

L2 ANSWER 3 OF 9

ACCESSION NUMBER: 2005034865 PCTFULL ED 20050425 EW 200516

TITLE (ENGLISH): WATER-SOLUBLE CHITOSAN HAVING LOW ENDOTOXIN

CONCENTRATION AND METHODS FOR MAKING AND USING THE SAME
 TITLE (FRENCH): CHITOSANE SOLUBLE DANS L'EAU A FAIBLE CONCENTRATION EN
 ENDOTOXINE ET PROCEDES DE PRODUCTION ASSOCIES

INVENTOR(S): HUNG, William, M., 4062 Dover Avenue, Alpharetta,
 GA 30004, US [US, US];
 BERGBAUER, Katrina, L., 225 Second Avenue, Decatur, GA
 30030, US [US, US];
 SU, Kai, C., 10390 Hopewell Road, Alpharetta, GA 30201,
 US [US, US];
 WANG, Guigui, 2420 Keenland Court, Cumming, GA 30040,
 US [CN, US];
 WAGES, Sherry, 904 E. Confederate Ave, S.E., Atlanta,
 GA 30316, US [US, US]

PATENT ASSIGNEE(S): ADJUVANT PHARMACEUTICALS, LLC, 1525 Bluegrass Lake
 Parkway, Alpharetta, GA 30004, US [US, US], for all
 designates States except US;
 HUNG, William, M., 4062 Dover Avenue, Alpharetta, GA
 30004, US [US, US], for US only;
 BERGBAUER, Katrina, L., 225 Second Avenue, Decatur, GA
 30030, US [US, US], for US only;
 SU, Kai, C., 10390 Hopewell Road, Alpharetta, GA 30201,

	US [US, US], for US only;
	WANG, Guigui, 2420 Keenland Court, Cumming, GA 30040,
	US [CN, US], for US only;
	WAGES, Sherry, 904 E. Confederate Ave, S.E., Atlanta,
	GA 30316, US [US, US], for US only
AGENT:	BRUESS, Steven, C.\$, Merchant & Gould P.C., P.O. Box
	2903, Minneapolis, MN 55402-0903\$, US
LANGUAGE OF FILING:	English
LANGUAGE OF PUBL.:	English
DOCUMENT TYPE:	Patent
PATENT INFORMATION:	

	NUMBER	KIND	DATE
	-----	-----	-----
	WO 2005034865	A2	20050421
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO		
	CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR		
	HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV		
	MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO		
	RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ		
	VC VN YU ZA ZM ZW		
RW (ARIPO):	BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU		
	MC NL PL PT RO SE SI SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2004-US32898	A	20041005
PRIORITY INFO.:	US 2003-10/681,560		20031008

L2	ANSWER 4 OF 9	PCTFULL	COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2002085951	PCTFULL	ED 20021111 EW 200244
TITLE (ENGLISH):	WATER SOLUBLE, RANDOMLY SUBSTITUTED PARTIAL N-, PARTIAL		
	O-ACETYLATED CHITOSAN, PRESERVING		
	COMPOSITIONS CONTAINING CHITOSAN, AND		
	PROCESSES FOR MAKING THEREOF		
TITLE (FRENCH):	CHITOSANE PARTIELLEMENT O-ACETYLE, PARTIELLEMENT		
	N-ACETYLE SUBSTITUE DE MANIERE ALEATOIRE SOLUBLE DANS		
	L'EAU, DES PREPARATIONS DE CONSERVATION CONTENANT DES		
	CHITOSANES ET DES PROCEDES DE FABRICATION DE CEUX-CI		
INVENTOR(S):	HUNG, William, M., 4062 Dover Avenue, Alpharetta,		
	GA 30004, US;		
	BERGBAUER, Katrina, L., 225 Second Avenue, Decatur, GA		
	30030, US;		
	SU, Kai, C., 10390 Hopewell Road, Alpharetta, GA 30201,		
	US;		
	WANG, Guigui, 2420 Keenland Court, Cumming, GA 30040,		
	US		
PATENT ASSIGNEE(S):	TECHNOLOGY RESOURCE INTERNATIONAL CORPORATION, 1525		
	Bluegrass Lake Parkway, Alpharetta, GA 30004, US [US,		
	US]		
AGENT:	KATZ, Mitchell, A.\$, Needle & Rosenberg, P.C., Suite		
	1200, The Candler Building, 127 Peachtree Street, N.E.,		
	Atlanta, GA 30303-1811\$, US		
LANGUAGE OF FILING:	English		
LANGUAGE OF PUBL.:	English		
DOCUMENT TYPE:	Patent		
PATENT INFORMATION:			

	NUMBER	KIND	DATE
	-----	-----	-----
	WO 2002085951	A2	20021031
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR		
	CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID		

IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
 MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
 SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2001-US49827 A 20011019
 PRIORITY INFO.: US 2001-09/838,528 20010419

L2 ANSWER 5 OF 9 USPATFULL on STN

ACCESSION NUMBER: 2005:93566 USPATFULL
 TITLE: Water-soluble chitosan having low endotoxin
 concentration and methods for making and using the same
 INVENTOR(S): Hung, William M., Alpharetta, GA, UNITED
 STATES
 Bergbauer, Katrina L., Decatur, GA, UNITED STATES
 Su, Kai C., Alpharetta, GA, UNITED STATES
 Wang, Guigui, Cumming, GA, UNITED STATES
 Wages, Sherry, Atlanta, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005080245	A1	20050414
APPLICATION INFO.:	US 2003-681560	A1	20031008 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903, US		
NUMBER OF CLAIMS:	50		
EXEMPLARY CLAIM:	1		
LINE COUNT:	885		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L2 ANSWER 6 OF 9 USPATFULL on STN

ACCESSION NUMBER: 2004:165971 USPATFULL
 TITLE: Water soluble, randomly substituted partial N-, partial
 O-acetylated chitosan, preserving
 compositions containing chitosan, and
 processes for making thereof
 INVENTOR(S): Hung, William M., Alpharetta, GA, UNITED
 STATES
 Bergbauer, Katrina L., Decatur, GA, UNITED STATES
 Su, Kai C., Alpharetta, GA, UNITED STATES
 Wang, Guigui, Cumming, GA, UNITED STATES
 PATENT ASSIGNEE(S): Adjuvant Pharmaceuticals, LLC, Alpharetta, GA, UNITED
 STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004127461	A1	20040701
APPLICATION INFO.:	US 2003-746085	A1	20031224 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-45959, filed on 19 Oct 2001, GRANTED, Pat. No. US 6716970 Continuation-in-part of Ser. No. US 2001-838528, filed on 19 Apr 2001, ABANDONED Continuation-in-part of Ser. No. US 2000-611160, filed on 6 Jul 2000, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-199406P	20000421 (60)
	US 2000-202548P	20000510 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Attn: James D. Withers, MERCHANT & GOULD LLC, P.O. Box
2903, Minneapolis, MN, 55402-0903
NUMBER OF CLAIMS: 55
EXEMPLARY CLAIM: 1
LINE COUNT: 1455
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 9 USPATFULL on STN

ACCESSION NUMBER: 2002:315094 USPATFULL
TITLE: Water soluble, randomly substituted partial N-partial
O-acetylated chitosan, preserving
compositions containing chitosan, and
processes for making thereof
INVENTOR(S): Hung, William M., Alpharetta, GA, UNITED
STATES
Bergbauer, Katrina L., Decatur, GA, UNITED STATES
Su, Kai C., Alpharetta, GA, UNITED STATES
Wang, Guigui, Cumming, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002177577	A1	20021128
	US 6716970	B2	20040406
APPLICATION INFO.:	US 2001-45959	A1	20011019 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-838528, filed on 19 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2000-611160, filed on 6 Jul 2000, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-199406P	20000421 (60)
	US 2000-202548P	20000510 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NEEDLE & ROSENBERG, P.C., The Candler Building, Suite 1200, 127 Peachtree Street, N.E., Atlanta, GA, 30303-1811	
NUMBER OF CLAIMS:	55	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1440	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L2 ANSWER 8 OF 9 USPATFULL on STN

ACCESSION NUMBER: 2002:31913 USPATFULL
TITLE: Preserving compositions containing chitosan
and processes for making water soluble O-acetylated
chitosan and chitosan
INVENTOR(S): Hung, William M., Alpharetta, GA, UNITED
STATES
Bergbauer, Katrina L., Decatur, GA, UNITED STATES
Su, Kai C., Alpharetta, GA, UNITED STATES
Wang, Guigui, Alpharetta, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002018732	A1	20020214
APPLICATION INFO.:	US 2001-838528	A1	20010419 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-611160, filed on 6 Jul 2000, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: US 2000-199406P 20000421 (60)
US 2000-202548P 20000510 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: NEEDLE & ROSENBERG, P.C., The Candler Building, Suite
1200, 127 Peachtree Street, N.E., Atlanta, GA,
30303-1811

NUMBER OF CLAIMS: 32

EXEMPLARY CLAIM: 1

LINE COUNT: 1186

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 9 OF 9 USPAT2 on STN

ACCESSION NUMBER: 2002:315094 USPAT2

TITLE: Water soluble, randomly substituted partial N-partial
O-acetylated chitosan, preserving
compositions containing chitosan, and
processes for making thereof

INVENTOR(S): Hung, William M., Alpharetta, GA, United
States
Bergbauer, Katrina L., Decatur, GA, United States
Su, Kai C., Alpharetta, GA, United States
Wang, Guigui, Cumming, GA, United States

PATENT ASSIGNEE(S): Adjuvant Pharmaceuticals, LLC, Alpharetta, GA, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6716970	B2	20040406
APPLICATION INFO.:	US 2001-45959		20011019 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-838528, filed on 19 Apr 2001, now abandoned Continuation-in-part of Ser. No. US 2000-611160, filed on 6 Jul 2000, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-199406P	20000421 (60)
	US 2000-202548P	20000510 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Wilson, James O.	
ASSISTANT EXAMINER:	Maier, Leigh C.	
LEGAL REPRESENTATIVE:	Merchant & Gould, LLC	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	1299	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		